

Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID48154
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Child tracker helps the parents in continuously monitoring the child's location. They can simply leave their children in school or parks and create a geofence around the particular location. By continuously checking the child's location notifications will be generated if the child crosses the geofence. Notifications will be sent according to the child's location to their parents or caretakers. The entire location data will be stored in the database.
2.	Idea / Solution description	To improve the security services here, In this paper a system for children's safety is developed For children safety purpose.
3.	Novelty / Uniqueness	The novelty of the work is that the system automatically alerts the parent/caretaker by sending SMS, when immediate attention is required for the child during emergency.
4.	Social Impact / Customer Satisfaction	Improved safety index of place provides freedom for the children with special needs
5.	Business Model (Revenue Model)	Selling the product directly to the parent (Device + monthly subscription for the tracking and notification service. Selling the product to childcare center
6.	Scalability of the Solution	Scalability is one of the most crucial criteria you should look for when considering an <u>enterprise IoT solution</u> . When it comes to IoT, scalability isn't just about growing your deployment. It's impossible to scale IoT without also considering factors like security, cellular coverage, certifications, and your supply of devices.